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## NOTICE OF ALLOWANCE AND FEE(S) DUE

7590

03/04/2004

Thomas J. Perkowski, Esq., PC Soundview Plaza 1266 East Main Street Stamford, CT 06902

EXAMINER				
LE, THIEN MINH				
ART UNIT	PAPER NUMBER			

2876
DATE MAILED: 03/04/2004

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/045 605	01/11/2002	Mark Lucera	108-152USA000	3687

TITLE OF INVENTION: MULTIPATH SCAN DATA SIGNAL PROCESSOR HAVING MULTIPLE SIGNAL PROCESSING PATHS WITH DIFFERENT OPERATIONAL CHARACTERISTICS TO ENABLE PROCESSING OF SIGNALS HAVING INCREASED DYNAMIC RANGE

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1330	\$300	\$1630	06/04/2004

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. <u>PROSECUTION ON THE MERITS IS CLOSED</u>. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

#### HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status is changed, pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above and notify the United States Patent and Trademark Office of the change in status, or

If the SMALL ENTITY is shown as NO:

- A. Pay TOTAL FEE(S) DUE shown above, or
- B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check the box below and enclose the PUBLICATION FEE and 1/2 the ISSUE FEE shown above.
- Applicant claims SMALL ENTITY status. See 37 CFR 1.27.
- II. PART B FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.
- III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

#### PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail

Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 (703) 746-4000

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annronriate All further con	respondence including the F below or directed otherwise	Patent advance ord	ters and notification	of maintenance fees	uired). Blocks 1 through 4 s will be mailed to the current s; and/or (b) indicating a sep	t correspondence address as
CURRENT CORRESPONDENCE ADDRESS (Note: Legibly mark-up with any corrections or use Block 1)			Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must			
75	90 03/04/2004				te of mailing or transmission.	
Thomas J. Perkov	vski, Esq., PC				ertificate of Mailing or Tran	
Soundview Plaza				States Postal Service	this Fee(s) Transmittal is bein with sufficient postage for fir	ig deposited with the United rst class mail in an envelope
1266 East Main Str				addressed to the Ma	with sufficient postage for final Stop ISSUE FEE address PTO, on the date indicated be	above, or being facsimile
Stamford, CT 0690	2					(Depositor's name)
						(Signature)
						(Date)
APPLICATION NO.	FILING DATE	F	FIRST NAMED INVE	NTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/045,605	01/11/2002		Mark Lucera		108-152USA000	3687
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nonprovisional	NO	\$1330		\$300	\$1630	06/04/2004
EXAM	INER	ART UNI	т с	LASS-SUBCLASS		
LE, THIE	EN MINH	2876		235-462250		
CFR 1.363).  Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.  DEFINITION OF The Address of Correspondence agents of the property of the prope			a the patent front page 3 registered patent natively, (2) the name a member a registered ames of up to 2 registers. If no name is liste	attorneys or 1 of a single I attorney or 2 stered patent		
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Please check the appropriate  4a. The following fee(s) are	assignee category or categor		. Payment of Fee(s):		corporation or other private g	group entity
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Director for Patents is reque	sted to apply the Issue Fee ar				issue fee to the application id	
(Authorized Signature)		(Date)				
other than the applicant:	d Publication Fee (if require a registered attorney or age cords of the United States Pa	ent: or the assigne	e or other party in			
estimated to take 12 minus completed application for case. Any comments on suggestions for reducing t Patent and Trademark 22313-1450. DO NOT S	tion is required by 37 CFR by the public which is to fiy y is governed by 35 U.S.C. I tes to complete, including gent to the USPTO. Time will the amount of time you this burden, should be sent toffice, U.S. Department (END FEES OR COMPLE FOR Patents, Alexandria, Virgor Patents, Ale	ll vary depending in require to complet to the Chief Inform of Commerce, A TED FORMS TO	upon the individual te this form and/or nation Officer, U.S.			

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Thomas J. Perkow	vski, Esq., PC		LE, THIE	N MINH
Soundview Plaza 1266 East Main Stre	eet		ART UNIT	PAPER NUMBER
Stamford, CT 06902	2		2876	
			DATE MAILED: 03/04/2004	4

## Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 14 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 14 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) system (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (703) 305-1383. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.

	Application No.	Applicant(s)		
	10/045,605	LUCERA ET AL.		
Notice of Allowability	Examiner	Art Unit		
	Thien M. Le	2876		
The MAILING DATE of this communication appears All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHT of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this ap or other appropriate communicatio IGHTS. This application is subject	oplication. If not included n will be mailed in due course. THIS		
1. This communication is responsive to the amendment filed	on 11/24/2003.			
2. The allowed claim(s) is/are <u>5-7, 11, and 14</u> .				
3. $\boxtimes$ The drawings filed on $\underline{1/11/2002}$ are accepted by the Exam	niner.			
4. ☐ Acknowledgment is made of a claim for foreign priority unallowed Allowship Some* c) ☐ None of the:  1. ☐ Certified copies of the priority documents have 2. ☐ Certified copies of the priority documents have 3. ☐ Copies of the certified copies of the priority documents have 1. ☐ Copies of the certified copies of the priority documents have 2. ☐ Certified copies of the certified copies of the priority documents have 3. ☐ Copies of the certified copies of the priority documents have 3. ☐ Copies of the certified copies of the priority documents have 3. ☐ Copies not received: ☐ Copies not priority will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.  5. ☐ A SUBSTITUTE OATH OR DECLARATION must be subminated in Information (Pro-152) which give 3. ☐ Copies not priority documents heets. ☐ Copies not priority documents heets. ☐ Copies not priority documents heats. ☐ Copies not received: ☐ Copies not priority documents have a publication number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in the copies not priority documents have 3. ☐ Copies not prio	e been received. e been received in Application No cuments have been received in this of this communication to file a reply IENT of this application.  itted. Note the attached EXAMINER es reason(s) why the oath or declar st be submitted. son's Patent Drawing Review ( PTO . s Amendment / Comment or in the .84(c)) should be written on the draw he header according to 37 CFR 1.121 sit of BIOLOGICAL MATERIAL	r national stage application from the complying with the requirements  R'S AMENDMENT or NOTICE OF ation is deficient.  -948) attached  Office action of ings in the front (not the back) of (d).  must be submitted. Note the		
Attachment(s)  1. Notice of References Cited (PTO-892)  2. Notice of Draftperson's Patent Drawing Review (PTO-948)  3. Information Disclosure Statements (PTO-1449 or PTO/SB/O Paper No./Mail Date	5. ☐ Notice of Informal I 6. ☐ Interview Summary Paper No./Mail Da 18), 7. ☐ Examiner's Amend	Patent Application (PTO-152) / (PTO-413), ate		

## **DETAILED ACTION**

The amendment filed on 11/24/2003 and the information disclosure statement filed on 10/27/2003 have been entered. Claims 1-4, 8-10, 12 and 13 have been canceled. Claims 5, 6-7, 11, and 14 remain for examination.

# Allowable Subject Matter

Claims 5, 6-7, 11, and 14 are allowed.

The following is a statement of reasons for the indication of allowable subject matter: The prior art discloses a laser scanning system. However, the prior art fail to disclose a specific laser scanning system comprising the combination of:

a photodetector;

a scan data signal processor;

wherein each signal processing path includes circuitry for processing;

wherein each signal processing path has different operational characteristics;

wherein each signal processing path includes a peak detector;

wherein at least one threshold level for one processing path is different from the threshold level for another processing path;

wherein at least one threshold level is a dynamic threshold; and

having the functions and characteristics as recited in claim 5.

The prior art also fails to disclose the limitations of claims 6, 7, 11, and 14.

Art Unit: 2876

## Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thien M. Le whose telephone number is (571) 272-2396. The examiner can normally be reached on Monday - Friday from 7:30am - 4:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael G. Lee can be reached on (703) 305-3503. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Le, Thien Minh Primary Examiner Art Unit 2876

February 23, 2004